

Lexus RX450h (AL10; 2010-2015) fuses

*In this article, we consider the third-generation Lexus RX Hybrid (AL10), produced from 2010 to 2015. Here you will find fuse box diagrams of **Lexus RX 450h 2010, 2011, 2012, 2013, 2014 and 2015**, get information about the location of the fuse panels inside the car, and learn about the assignment of each fuse (fuse layout).*

See other Lexus RX:

Fuse Layout Lexus RX 450h 2010-2015



Cigar lighter (power outlet) fuses in the Lexus RX450h are the fuses #1 "P/POINT", #3 "CIG" and #16 "INVERTER" (since 2013: Power outlet AC) in the Instrument panel fuse box.

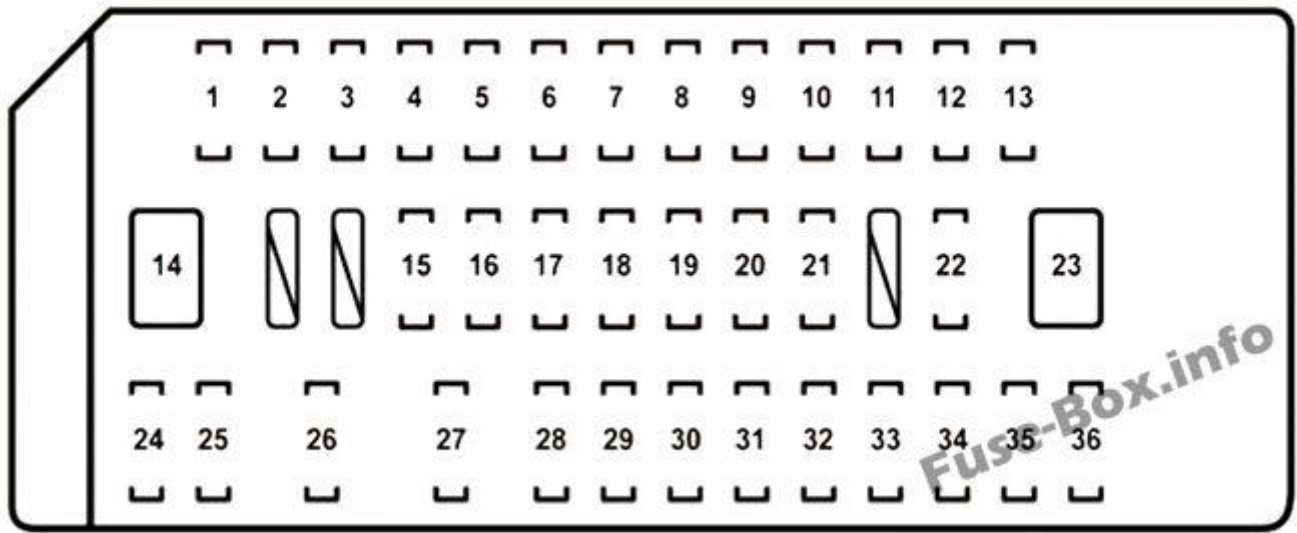
Passenger Compartment Fuse Box

Fuse box location

The fuse box is located under the instrument panel (on the driver's side), under the lid.



Fuse box diagram (2010-2012)



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Assignment of the fuses in the Passenger Compartment Fuse Box (2010-2012)

No	Name	Ampere	Circuit
1	P/POINT	15 A	Power outlet

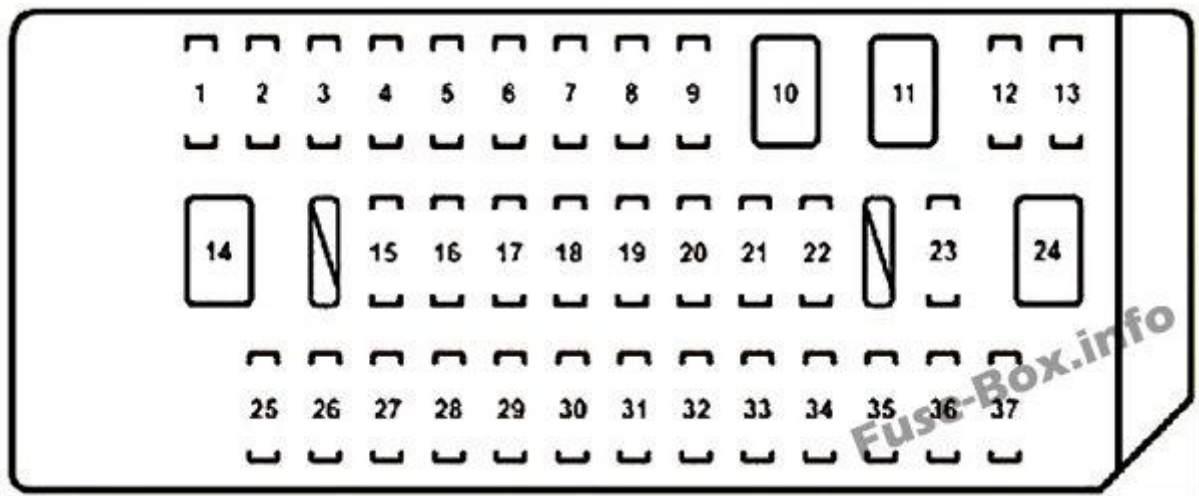
No	Name	Ampere	Circuit
2	ECU-ACC	10 A	Navigation system, outside rear view mirror, multiplex communication system, multi-information display, headup display
3	CIG	15 A	Power outlet
4	RADIO NO. 2	7.5 A	Audio system, power outlet
5	GAUGE NO. 1	10 A	Emergency flashers, navigation system, head-up display
6	ECU-IG1 NO. 3	10 A	Outside rear view mirror, windshield wipers and washer, seat heaters, starter system, power outlet, moon roof
7	ECU-IG1 NO.1	10 A	Multiplex communication system, electric power steering system, shift lock control system, tilt and telescopic steering, starter system, hybrid transmission system, power back door, hybrid system, tire pressure warning system
8	S/ROOF	30 A	Moon roof
9	FUEL OPN	7.5 A	Fuel filler door opener
10	PSB	30 A	Pre-collision seat belt
11	TI&TE	30 A	Tilt and telescopic steering system
12	DR LOCK	10 A	Power door lock system
13	FR FOG	15 A	
14	P-SEAT LH	30 A	Power seat (left-side)
15	INVERTER	20 A	
16	RR FOG	7.5 A	

No	Name	Ampere	Circuit
17	D/L ALT B	25 A	Multiplex communication system
18	HEATER	10 A	Air conditioning system
19	ECU-IG1 NO. 2	10 A	Air conditioning system, multiport fuel injection system/sequential multiport fuel injection system, SRS airbag system, multi-information display, capacitor
20	PANEL	10 A	Switch illumination, navigation system, height control system, headlight cleaner, windshield wiper de-icer, seat heater, power back door, audio system, multi-information display, air conditioning system
21	TAIL	10 A	Position lights, tail lights, license plate lights, towing converter
22	AIRSUS	20 A	Electronically modulated air suspension system
23	P-SEAT RH	30 A	Power seat (right-side)
24	OBD	7.5 A	On-board diagnosis
25	FR DOOR	25 A	Front power window (right-side)
26	RR DOOR	25 A	Rear power window (right-side)
27	FL DOOR	25 A	Front power window (left-side)
28	RL DOOR	25 A	Rear power window (left-side)
29	FR WASH	25 A	Windshield wipers and washer
30	RR WIP	15 A	Windshield wipers and washer
31	RR WASH	20 A	Windshield wipers and washer
32	FR WIP	30 A	Windshield wipers and washer
33	ECU IG2	10 A	Starter system, intuitive parking assist sensor, AWD system

№	Name	Ampere	Circuit
34	GAUGE NO. 2	7.5 A	Starter system
35	RH S-HTR	15 A	Seat heater (right-side)
36	LH S-HTR	15 A	Seat heater (left-side)

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Fuse box diagram (2013-2015)



Assignment of the fuses in the Passenger Compartment Fuse Box (2013-2015)

№	Name	Ampere	Circuit
1	P/POINT	15 A	Power outlet
2	ECU-ACC	10 A	Navigation system, air conditioning system, audio system, multiplex communication system, multi-information display, head-up display
3	CIG	15 A	Power outlet
4	RADIO NO. 2	7.5 A	Audio system, navigation system
5	GAUGE NO.1	10 A	Emergency flashers, navigation system, head-up display, air conditioning system, Vehicle Proximity Notification System, audio system

No	Name	Ampere	Circuit
6	ECU-IG1 NO. 3	10 A	Outside rear view mirror, windshield wipers and washer, seat heaters, starter system, power outlet, moon roof, air conditioning system
7	ECU-IG1 NO.1	10 A	Multiplex communication system, steering sensor, shift lock control system, tilt and telescopic steering, power back door, pre-collision system, vehicle dynamics integrated management, tire pressure warning system
8	S/ROOF	30 A	Moon roof
9	FUEL OPN	7.5 A	Fuel filler door opener
10	PSB	30 A	Pre-collision seat belt
11	TI&TE	30 A	Tilt and telescopic steering system
12	DR LOCK	10 A	-
13	FR FOG	15 A	Front fog lights
14	P-SEAT LH	30 A	Power seat (left-side)
15	4WD	7.5 A	AWD system
16	INVERTER	20 A	Power outlet
17	RR FOG	7.5 A	-
18	D/L ALT B	25 A	Multiplex communication system, power door lock system, power back door
19	EPS	10 A	Electric power steering system
20	ECU-IG1 NO. 2	10 A	Intuitive parking assist, pre-collision seat belt, capacitor
21	PANEL	10 A	Switch illumination, navigation system, hybrid transmission system, audio system, multi-information

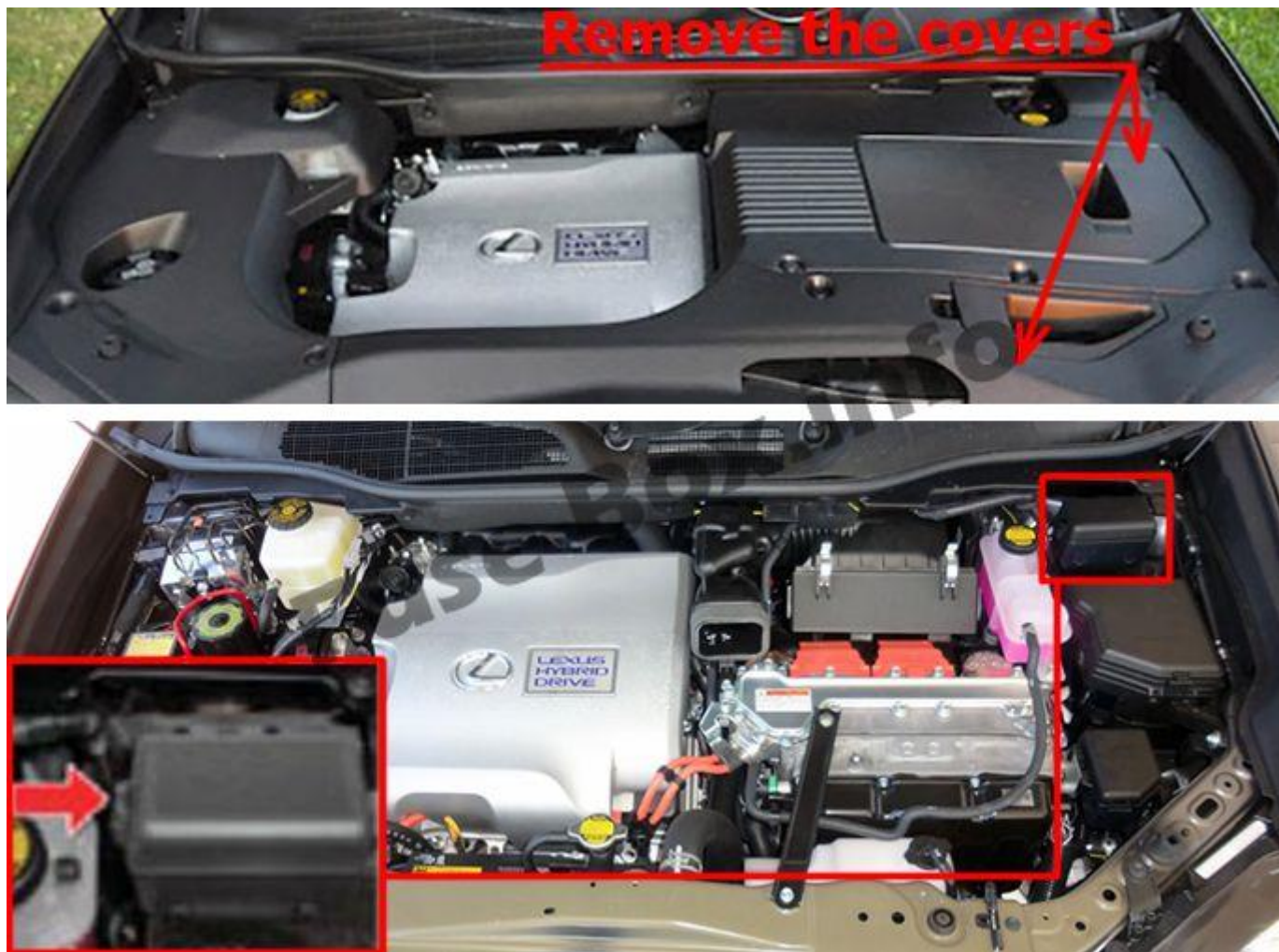
No	Name	Ampere	Circuit
			display, air conditioning system, multiplex communication system
22	TAIL	10 A	Parking lights, front side marker lights, tail lights, license plate lights, front fog lights, towing converter
23	AIRSUS	20 A	
24	P-SEAT RH	30 A	Power seat (right-side)
25	OBD	7.5 A	On-board diagnosis
26	FR DOOR	25 A	Front power window (right-side), outside rear view mirror
27	RR DOOR	25 A	Rear power window (right-side)
28	FL DOOR	25 A	Front power window (left-side), outside rear view mirror
29	RL DOOR	25 A	Rear power window (left-side)
30	FR WASH	25 A	Windshield wipers and washer
31	RR WIP	15 A	Windshield wipers and washer
32	RR WASH	20 A	Windshield wipers and washer
33	FR WIP	30 A	Windshield wipers and washer
34	ECU IG2	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, front passenger occupant classification system, SRS airbag system, stop lights, electronically controlled brake system, steering lock system, hybrid system
35	GAUGE NO. 2	7.5 A	Gauge and meters
36	RH S-HTR	15 A	Seat heater (right-side)

№	Name	Ampere	Circuit
37	LH S-HTR	15 A	Seat heater (left-side)

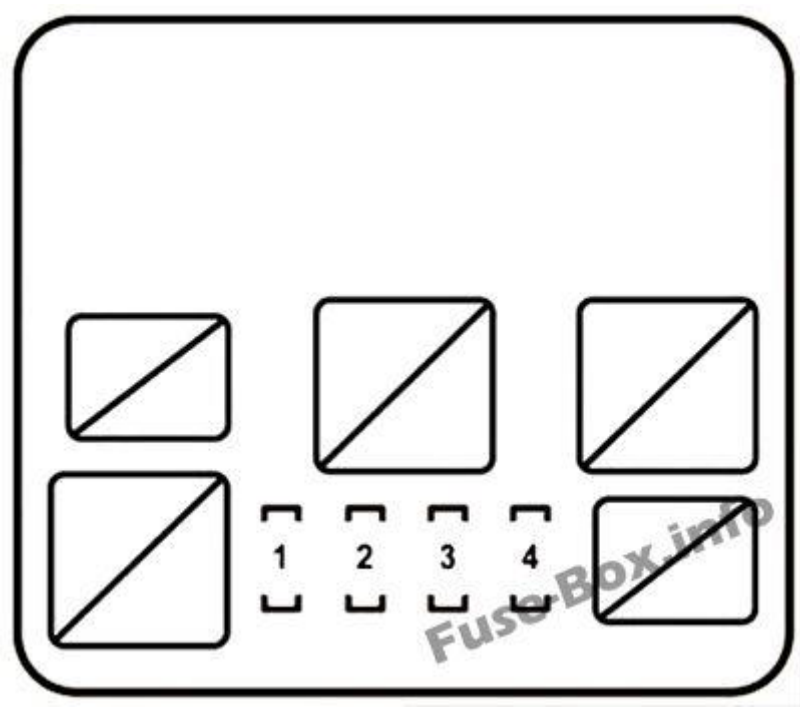
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Engine Compartment Fuse Box №1

Fuse box location



Fuse box diagram



Assignment of the fuses in the Engine Compartment Fuse Box №1

№	Name	Ampere	Circuit
1	PCU	15 A	Hybrid system
2	IGCT NO.2	10 A	Hybrid system
3	IGCT NO.3	10 A	Hybrid system
4	INV W/P	10 A	Hybrid system

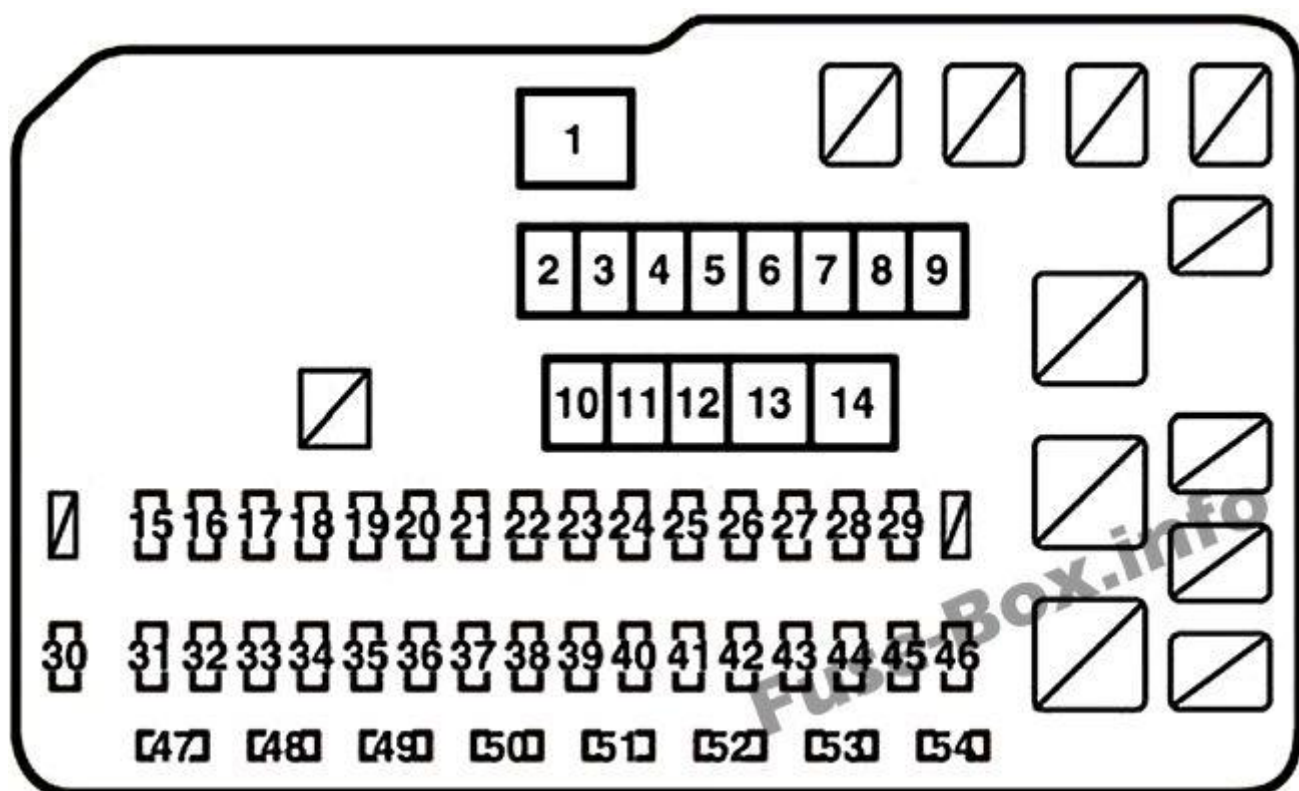
Engine Compartment Fuse Box №2

Fuse box location



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Fuse box diagram (2010-2012)



Assignment of the fuses in the Engine Compartment Fuse Box №2 (2010-2012)

№	Name	Ampere	Circuit
1	SPARE	120 A	-
2	RR DEF	50 A	Rear window defogger
3	AIRSUS	50 A	Electronically modulated air suspension system
4	HTR	50 A	Air conditioning system
5	ECB NO.1	50 A	Brake system, vehicle stability control, vehicle dynamics integrated management, meters and gauges
6	RDI FAN NO. 1	40 A	Electric cooling fans
7	RDI FAN NO. 2	40 A	Electric cooling fans
8	H-LP CLN	30 A	Headlight cleaner
9	PBD	30 A	Power back door system

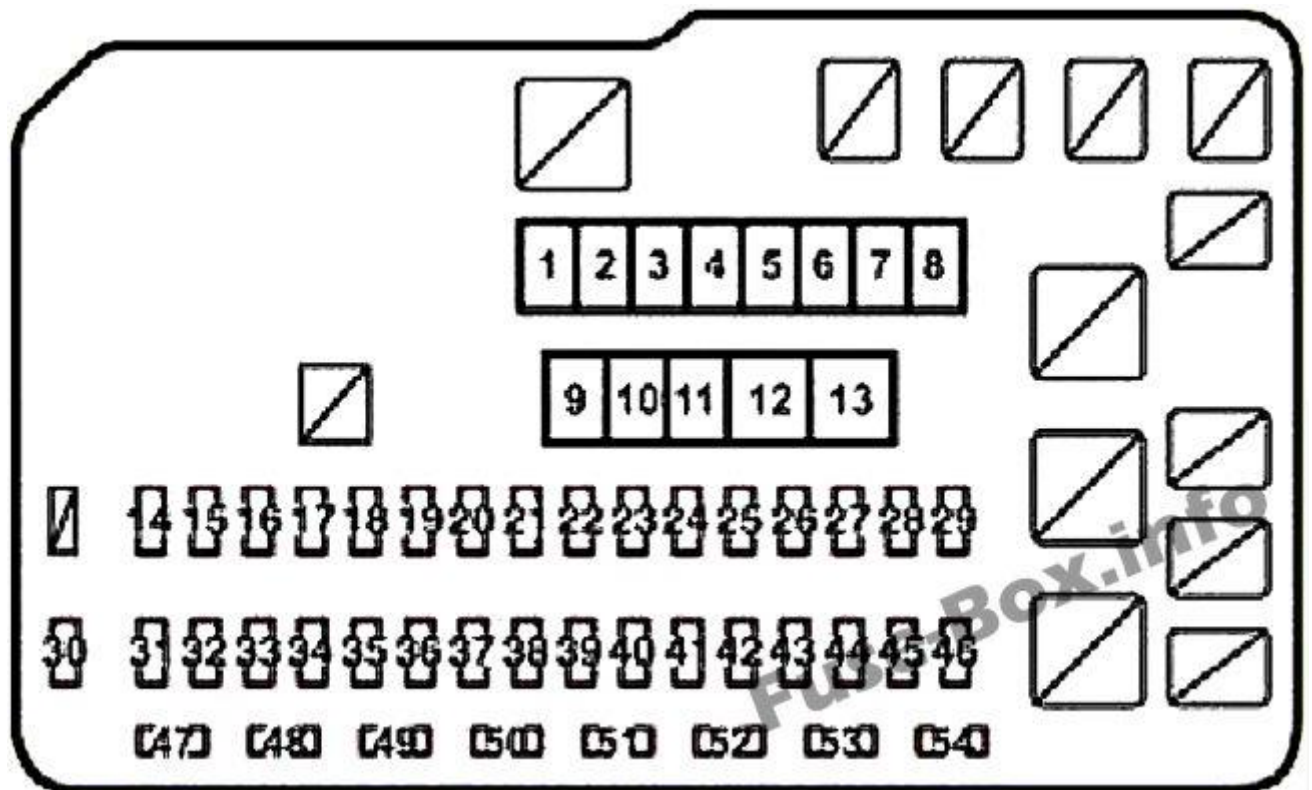
No	Name	Ampere	Circuit
10	HV R/B NO.1	30 A	PCU, IGCT NO.2, IGCT NO.3, INV W/P
11	PD	50 A	Daytime running light system, A/F, H-LP RH HI, H-LP LH LO, H-LP RH LO, H-LP LH HI, HORN, S-HORN, multiplex communication system, multiport fuel injection system/ sequential multiport fuel injection system
12	ECB NO.2	50 A	Brake system
13	HV R/B NO.2	80 A	ECB MAIN1, ECB MAIN 2, A/C W/P, BATT FAN, OIL PMP
14	DCDC	150 A	FUEL OPN, DR LOCK, OBD, RR FOG, S/ROOF, INVERTER, ECU-IG1 NO. 1, ECU-IG1 NO. 2, PANEL, GAUGE NO. 1
15	AMP1	30 A	Audio system
16	EFI MAIN	30 A	Multiport fuel injection system/ sequential multiport fuel injection system, EFI NO. 2
17	AMP2	30 A	Audio system
18	IG2 MAIN	30 A	Starter system, IGN, GAUGE NO. 2, ECU IG2
19	IP JB	25 A	Power door lock system
20	STR LOCK	20 A	Starter system
21	RAD NO. 3	15 A	Meters and gauges, instrument panel lights, navigation system, audio system
22	HAZ	15 A	Emergency flashers
23	ETCS	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
24	RAD NO. 1	10 A	Audio system
25	AM2	7.5 A	Starter system

No	Name	Ampere	Circuit
26	ECU-B NO. 2	7.5 A	Air conditioning system, front passenger occupant classification system, starter system, electric power steering system
27	MAYDAY/TEL	7.5 A	Mayday system
28	IMMOBI	7.5 A	
29	ECB MAIN NO. 3	15 A	Brake system
30	IGN	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, brake system, SRS airbag system
31	DOME	10 A	Vanity mirror lights, luggage compartment lights, interior lights, personal lights
32	ECU-B NO.1	10 A	Interior lights, personal lights, tilt and telescopic steering, multiplex communication system, meters and gauges, power windows, driving position memory system, power seats, power back door, head-up display, starter system, air conditioning system, power door lock system
33	EFI NO.1	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
34	WIP-S	7.5 A	Windshield wipers and washer
35	AFS	7.5 A	Adaptive front-lighting system
36	BK/UP LP	7.5 A	Back-up lights
37	HEATER NO. 2	7.5 A	Air conditioning system, AWD system
38	ECU IG1	10 A	Adaptive front-lighting system, headlight cleaner, cooling fan, cruise control, electronically modulated air suspension system, vehicle stability control, vehicle dynamics integrated management, brake system

No	Name	Ampere	Circuit
39	EFI NO.2	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
40	F/PMP	15 A	Multiport fuel injection system/ sequential multiport fuel injection system
41	DEICER	25 A	Windshield wipers and washer
42	STOP	7.5 A	Vehicle stability control, vehicle dynamics integrated management, high mounted stoplight
43	TOWING BATT	20 A	Trailer battery
44	TOWING	30 A	Trailer lights
45	FILTER	10 A	Condenser
46	IG1 MAIN	30 A	ECU IG1, BK/UP LP, HEATER NO. 2, AFS
47	H-LP RH HI	15 A	Right-hand headlight (high beam)
48	H-LP LH HI	15 A	Left-hand headlight (high beam)
49	BIXENON	10 A	Discharge headlight
50	H-LP RH LO	15 A	Right-hand headlight (low beam)
51	H-LP LH LO	15 A	Left-hand headlight (low beam)
52	HORN	10 A	Horn
53	A/F	20 A	Multiport fuel injection system/ sequential multiport fuel injection system
54	S-HORN	7.5 A	Security horn

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Fuse box diagram (2013-2015)



Assignment of the fuses in the Engine Compartment Fuse Box №2 (2013-2015)

№	Name	Ampere	Circuit
1	RR DEF	50 A	Rear window defogger
2	AIRSUS	50 A	-
3	HEATER	50 A	Air conditioning system
4	ABS NO.1	50 A	Electronically controlled brake system
5	RDI FAN NO.1	40 A	Electric cooling fans
6	RDI FAN NO. 2	40 A	Electric cooling fans
7	H-LP CLN	30 A	Headlight cleaner
8	PBD	30 A	Power back door
9	HV R/B NO.1	30 A	PCU, IGCT NO. 2, IGCT NO. 3, INV W/P

No	Name	Ampere	Circuit
10	PD	50 A	A/F, H-LP RH HI, H-LP LH LO, H-LP RH LO, H-LP LH HI, HORN, SHORN
11	ABS NO. 2	50 A	Electronically controlled brake system
12	HV R/B NO. 2	80 A	ABS MAIN NO. 1, ABS MAIN NO. 2, A/C W/P, BATT FAN, OIL PMP
13	DCDC	150 A	IG1 MAIN, TOWING BATT, DEICER, TOWING, STOP, RDI FAN NO. 1, ABS NO. 1, RR DEF, AIR SUS, HEATER, RDI FAN NO. 2, H-LP CLN, PBD, ECU-IG1 NO. 1, ECUIG1 NO. 3, GAUGE NO. 1, ECU-IG1 NO. 2, EPS, FR WIP, RR WIP, FR WASH, RR WASH, RH S-HTR, LH SHTR, TAIL, PANEL, D/L ALT B, FR FOG, FR DOOR, FL DOOR, RR DOOR, RL DOOR, PSB, P-SEAT LH, P-SEAT RH, TI&TE, AIR SUS, FUEL OPN, DR LOCK, OBD, RR FOG, S/ ROOF, 4WD, INVERTER, ECUACC, P/POINT, CIG, RADIO NO. 2
14	AMP1	30 A	Audio system
15	EFI MAIN	30 A	Multiport fuel injection system/ sequential multiport fuel injection system, EFI NO. 1, EFI NO. 2, F/PMP
16	AMP2	30 A	Audio system
17	IG2 MAIN	30 A	IGN, GAUGE NO. 2, ECU IG2
18	IPJ/B	25 A	Power door lock system
19	STR LOCK	20 A	Starter system
20	RAD NO. 3	15 A	Meters and gauges, navigation system, audio system
21	HAZ	15 A	Emergency flashers
22	ETCS	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
23	RAD NO.1	10 A	Audio system, navigation system

No	Name	Ampere	Circuit
24	AM2	7.5 A	Starter system
25	ECU-B NO.2	7.5 A	Air conditioning system, front passenger occupant classification system, audio system, vehicle dynamics integrated management, power windows, electric power steering system
26	MAYDAY/TEL	7.5 A	MAYDAY/TEL
27	IMMOBI	7.5 A	IMMOBI
28	ABS MAIN NO. 3	15 A	Brake system
29	DRL	7.5 A	Daytime running light system
30	IGN	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
31	DOME	10 A	Vanity mirror lights, luggage compartment lights, interior lights, personal lights, door courtesy lights, footwell lights, scuff lights
32	ECU-B NO.1	10 A	Tilt and telescopic steering, multiplex communication system, meters and gauges, driving position memory, power seats, power back door, head-up display, starter system, outside rear view mirror, steering sensor, garage door opener
33	EFI NO.1	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
34	WIP-S	7.5 A	Cruise control
35	ECU-IG1 NO. 4	10 A	Air conditioning system, rear window defogger, electronically controlled brake system, electric cooling fans
36	BK/UP LP	7.5 A	Back-up lights

No	Name	Ampere	Circuit
37	ECU-IG1 NO. 5	15 A	Air conditioning system
38	ECU-IG1 NO. 6	10 A	Head light cleaner, cruise control, air conditioning system, Blind Spot Monitor
39	EFI NO. 2	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
40	F/PMP	15 A	Multiport fuel injection system/ sequential multiport fuel injection system
41	DEICER	25 A	Windshield wipers and washer
42	STOP	7.5 A	Vehicle Proximity Notification System, vehicle dynamics integrated management, stop lights, multiport fuel injection system/sequential multiport fuel injection system, shift lock control system, starter system, cruise control
43	TOWING BATT	20 A	
44	TOWING	30 A	Trailer lights
45	FILTER	10 A	
46	IG1 MAIN	30 A	ECU-IG1 NO. 6, BK/UPLP, ECU-IG1 NO. 5, ECU-IG1 NO. 4
47	H-LP RH HI	15 A	Right-hand headlight (high beam)
48	H-LP LH HI	15 A	Left-hand headlight (high beam)
49	BIXENON	10 A	-
50	H-LP RH LO	15 A	Right-hand headlight (low beam)
51	H-LP LH LO	15 A	Left-hand headlight (low beam)

№	Name	Ampere	Circuit
52	HORN	10 A	Horn
53	A/F	20 A	Multiport fuel injection system/ sequential multiport fuel injection system
54	S-HORN	75 A	S-HORN

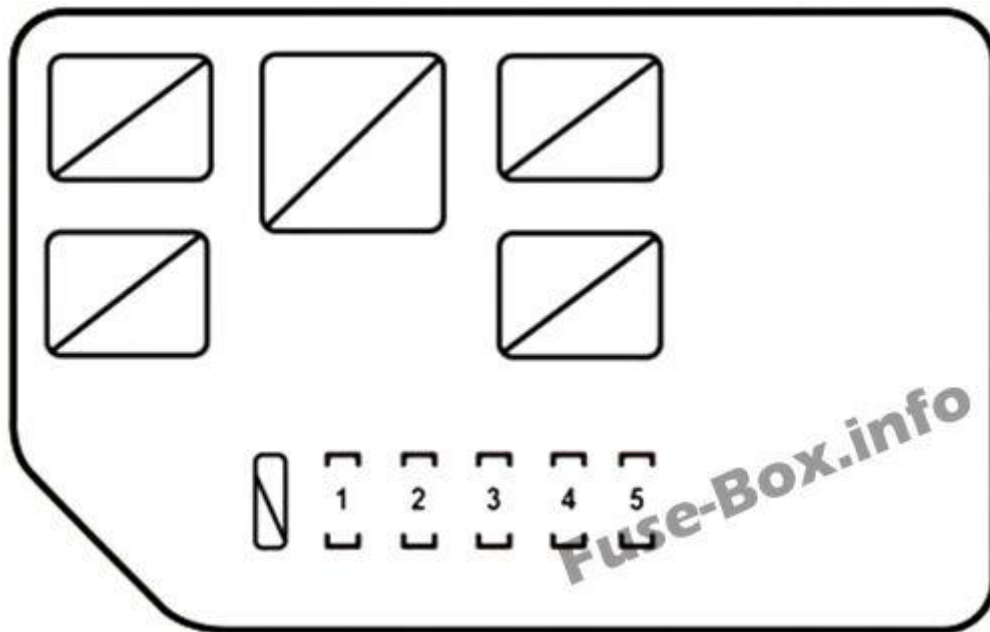
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Engine Compartment Fuse Box №3

Fuse box location



Fuse box diagram

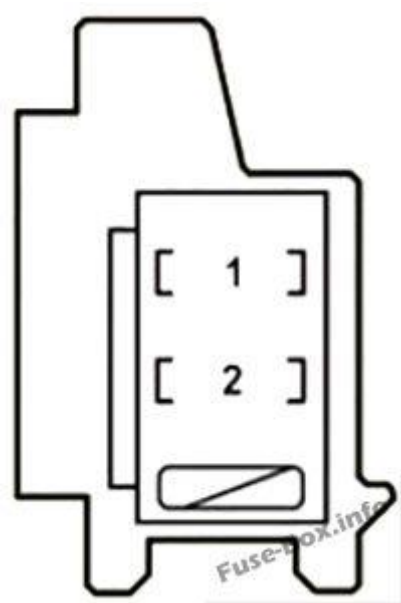


Assignment of the fuses in the Engine Compartment Fuse Box №3

№	Name	Ampere	Circuit
1	ECB MAIN NO.1	10 A	Brake system
2	ECB MAIN NO. 2	10 A	Brake system
3	BATT FAN	15 A	Battery cooling fan
4	OIL PMP	10 A	Hybrid system
5	A/C W/P	10 A	Air conditioning system

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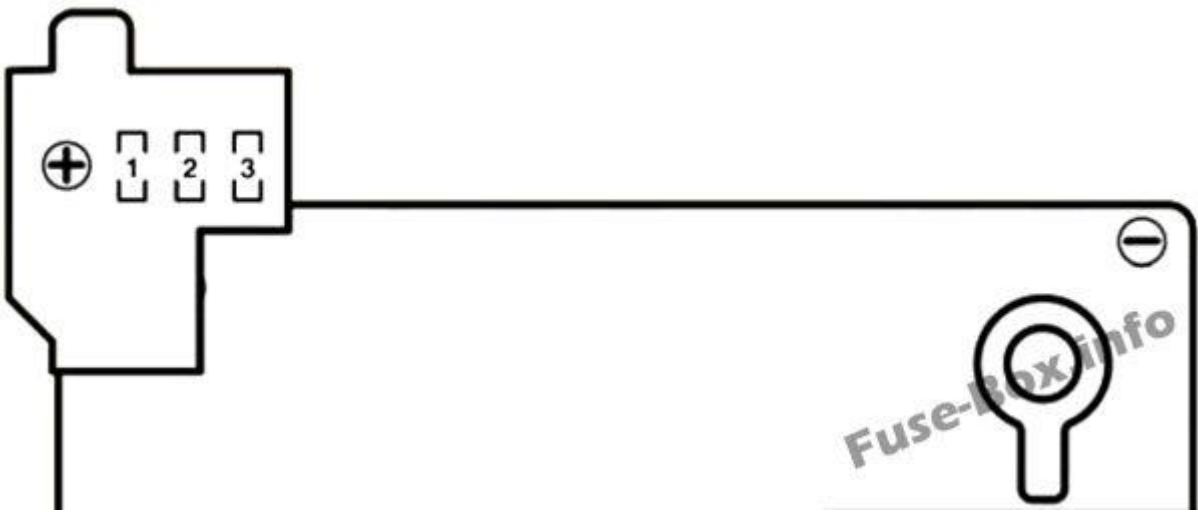
Luggage Compartment Fuse Box №1



No	Name	Ampere	Circuit
1	DCDC-S	7.5 A	Hybrid system
2	CAPACITOR	10 A	2010-2012: Hybrid system 2013-2015: Capacitor

Luggage Compartment Fuse Box №2

It is located on the battery in the trunk



Nº	Name	Ampere	Circuit
1	MAIN	180 A	All electrical components
2	RR-B	50 A	CAPACITOR, DCDC-S
3	EPS	80 A	2010-2012: Electric power steering system 2013-2015: Hybrid system